67. (New) A method according to claim 65 wherein said image and said different related image are color component images of a multicolor color image.

REMARKS

The present application is a US National application of PCT/IL99/00025. The present amendments are based on the claims attached to the IPER and have been made to place the application in proper US form. Applicants note that the IPER established for PCT/IL99/00025 indicates that claims 1-40 meet the requirements with respect to novelty, inventive step and industrial applicability of Articles 33(2), 33(3) and 33(4) of the PCT.

The application contains 67 claims of which claims 64-67 are new claims. The added claims recite respectively the limitations of amended claims 35, 50, 51 and 52 and have been added to recite in single dependency form multiple dependencies recited in claims 35, 50, 51 and 52 prior to their being amended.

A clean copy of all the claims in the application is attached hereto. Also attached is a marked-up version of the claims.

An action on the merits is respectfully awaited.

Respectfully submitted,
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MARKED-UP VERSION OF AMENDED CLAIMS ONLY

6. (Amended) A method according to ~~any of claims 3 - 5~~claim 3 wherein determining an adjustment range comprises determining at least one adjustment limit and determining said adjustment range responsive to said adjustment limit.

11. (Amended) A method according to ~~any of claims 7 - 10~~claim 7 wherein said at least one adjustment limit for said at least one intermediate coefficient is determined responsive to the transformed quantizer having the same coordinates in the intermediate space as the at least one intermediate coefficient.

18. (Amended) A method according to ~~any of claims 15 - 17~~claim 15 wherein said adjustment limit is equal to said difference multiplied by a fraction less than one.

20. (Amended) A method according to ~~any of claims 3 - 19~~claim 3 comprising testing said set of adjusted intermediate coefficients for consistency with said first set of coefficients in said transform space.

24. (Amended) A method according to ~~any of claims 20 - 23~~claim 20 wherein, if said set of intermediate coefficients is not consistent with said first set of coefficients, the value at least one adjusted intermediate coefficient of said set of adjusted intermediate coefficients is readjusted to generate a readjusted set of intermediate coefficients so that said set of readjusted intermediate coefficients is consistent with said first set of coefficients.

25. (Amended) A method according to ~~any of the preceding claims~~claim 1 wherein adjusting said at least one intermediate coefficient comprises adjusting said at least one intermediate coefficient responsive to coefficients in a neighborhood of said at least one intermediate coefficient.

27. (Amended) A method according to claim 1 ~~any of the preceding claims~~ wherein adjusting said at least one intermediate coefficient comprises adjusting said at least one intermediate coefficient responsive to a ratio between a partial coefficient and a function of other partial coefficients.

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28. (Amended) A method according to claim 1 ~~any of the preceding claims~~ wherein adjusting said at least one intermediate coefficient comprises adjusting said at least one partial coefficient responsive to a trend in changes of values of partial coefficients as a function of changes in at least one coordinate of said intermediate space.

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29. (Amended) A method according to claim 1 ~~any of the preceding claims~~ wherein adjusting said at least one intermediate coefficient comprises adjusting said at least one partial coefficient responsive to an expected trend in changes of values of partial coefficients as a function of changes in at least one coordinate of said intermediate space.

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30. (Amended) A method according to claim 1 ~~any of the preceding claims~~ wherein adjusting said at least one intermediate coefficient comprises adjusting said at least one partial coefficient responsive to a predetermined template.

15   32. (Amended) A method according to claim 1 ~~any of the preceding claims~~ wherein adjusting the value of said at least one intermediate coefficient comprises adjusting the value of said at least one intermediate coefficient responsive to data from different compressed data that is related to said compressed data.

20   34. (Amended) A method according to claim 32 ~~or claim 33~~ wherein said different compressed data identify an edge in said recovered image.

35. (Amended) A method according to claim 31 ~~or claim 34~~ comprising smoothing said image on either side of said edge.

25   36. (Amended) A method according to ~~any of the previous claims~~ claim 1 comprising testing said set of adjusted intermediate coefficients for consistency with a first set of intermediate coefficients defined in an intermediate space different from said intermediate space in which said adjusted intermediate coefficients are defined.

30   40. (Amended) A method according to ~~any of claims 36 - 39~~ claim 36 wherein if said set of adjusted intermediate coefficients is not consistent with said first set of intermediate coefficients, the value at least one adjusted intermediate coefficient of said set of adjusted intermediate coefficients is readjusted to generate a readjusted set of intermediate coefficients

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so that said set of readjusted intermediate coefficients is consistent with said first set of intermediate coefficients.

50. (Amended) A method according to ~~any of claims 46 - 49~~ claim 46 wherein said plurality of said quantizers comprises all quantizers in said compressed data.

51. (Amended) A method according to ~~any of claims 46 - 50~~ claim 46 wherein determining a value comprises determining a value responsive to image values of a different related image.

53. (Amended) A method according to ~~any of the preceding claims~~ claim 1 comprising smoothing said recovered image.

54. (Amended) A method according to claim 1 ~~any of the preceding claims~~ wherein said image is an image defined in a three dimensional image space.

55. (Amended) A method according to claim 1 ~~any of the preceding claims~~ wherein said image is an image defined in a two dimensional space.

56. (Amended) A method according to claim 1 ~~any of the preceding claims~~ wherein said compressed data is data generated using a unitary separable transform to transform an image in said image space into a set of values in said transform space.

57. (Amended) A method according to claim 1 ~~any of the preceding claims~~ wherein said compressed data is generated using a JPEG compression method.

58. (Amended) A method according to claim 1 ~~any of claims 1 - 56~~ wherein said compressed data is generated using an MPEG compression method.

59. (Amended) A method according to claim 1 ~~any of claims 1 - 56~~ wherein said compressed data is generated using a PX64 compression method.

60. (Amended) A method according to claim 1 ~~any of claims 1 - 56~~ wherein said compressed data is generated using an H261 compression method.

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61. (Amended) A method according to claim 1 any of claims 1-56 wherein said compressed data is generated using an H263 compression method.

62. (Amended) A method according to claim 1 any of claims 1-56 wherein said compressed data is generated using an H323 compression method.

63. (Amended) A method according to claim 1 any of claims 1-56 wherein said compressed data is generated using an HDTV compression method.

64. (New) A method according to claim 34 comprising smoothing said image on either side of said edge.

65. (New) A method according to claim 48 wherein said plurality of said quantizers comprises all quantizers in said compressed data.

66. (New) A method according claim 48 wherein determining a value comprises determining a value responsive to image values of a different related image.

67. (New) A method according to claim 65 wherein said image and said different related image are color component images of a multicolor color image.